

**REQUEST FOR PROPOSALS
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER DIVISION, DAM BUREAU**

January 16, 2013

**UNDERWATER INSTALLATION OF A SLIDE GATE
FOR THE LOW LEVEL OUTLET
at the DEERING RESERVOIR
DEERING, NEW HAMPSHIRE**

1. INTRODUCTION

The Department of Environmental Services, Water Division, Dam Bureau (DES) is soliciting proposals from qualified diving contractors for underwater installation of a DES-furnished slide gate on the low level outlet in the dam at the Deering Reservoir.

2. SITE AND PROJECT DESCRIPTIONS

This dam has a low level outlet consisting of a 24-inch-diameter Reinforced Concrete Pipe (RCP). The joints in the pipe have recently been sealed and pressure-tested. The inlet for the low level outlet is a cast-in-place concrete intake structure, the face of which is angled at approximately 7° from horizontal. At full pond, the intake structure is at a depth of approximately 12 feet. Currently an inoperable wooden and steel gate is installed on the intake structure. DES has acquired a threaded slide gate to replace the existing inoperable wooden gate. This contract will be for the underwater replacement of the inoperable wooden gate with the new slide gate and bulk head assembly, in accordance with the Scope of Services, below:

3. SCOPE OF SERVICES

The Contractor shall perform the following services under this contract:

1. Install a temporary plug inside the 24" RCP drain pipe within ten horizontal feet of the concrete intake structure.
2. Provide adequate weight on the bolted cover of a manhole, which is located near the downstream end of the low level outlet at the toe of the embankment dam, sufficient to withstand the hydraulic forces from the full reservoir in the event the plug is compromised.
3. Provide accurate measurements of the concrete intake structure to the nearest 0.1 inches.
4. Remove and properly dispose of the existing wooden and steel gate from the intake structure.
5. Install the new slide gate and bulk head assembly on the concrete intake structure using fourteen (14) anchored bolts (supplied with gate by DES), which will require underwater drilling.
6. Perform operation and leakage tests of the DES-furnished gate after installation. The gate shall be substantially watertight under a minimum design seating head of 12 feet. Under this design seating head, the leakage shall not exceed 0.1 U.S. gallon per minute per foot of seating perimeter
7. Remove the temporary plug from the low level outlet.
8. Provide a report that documents the measurements for the intake structure, date and times of all work, summary of work done, and results of gate operation test and gate seal and leakage test.

The services shall be completed under the full-time observation of a DES Representative. The Contractor shall cooperate with the DES Representative at all times. The inspection services are to be scheduled with DES. Work cannot be initiated until a contract has been approved by the Governor and Executive Council. The Contractor must be able to begin the project within one month of contract approval or by a date as agreed to with the DES Representative. Responders to this Request For Proposals shall provide a timeline for completion of the project and transmittal of the report with their proposals. Any questions regarding the scope of services described herein shall be directed to Kent Finemore, PE at (603) 271-0566 or Kent.Finemore@des.nh.gov.

4. SITE VISIT AND ADDITIONAL INFORMATION

Contractors bidding on this project are required to make themselves familiar with project and site constraints as necessary to submit a proposal. Site visits can be scheduled by contacting Kent Finemore, PE at (603) 271-0566 or Kent.Finemore@des.nh.gov. A report on the condition of the existing gate, detail of the new gate installation, and a copy of the standard state contract and conditions are also available by contacting Kent Finemore, PE at (603) 271-0566 or Kent.Finemore@des.nh.gov.

5. PROPOSAL FORMAT

Proposals shall include a listing of the materials and equipment to be used on the project, a description of plans for temporary installation and removal of the plug in the 24" RCP drain pipe, copies of appropriate licenses and insurance, description of plans for removal of the existing gate and installation of new sliding gate, description of gate testing and leak detection techniques, a project timeline, and a not-to-exceed cost to complete the scope of services specified. If the Contractor proposes to modify any General Provisions in the standard Agreement, the Contractor shall provide the proposed modifications with the proposal. In addition, information must be provided to illustrate the Contractor's qualifications and experience with similar projects and client references. The successful bidder will be required to enter into the standard Agreement of the State of New Hampshire with attachments and perform the work in accordance with the Contractor's proposal and the General Provisions of the Agreement, as modified by mutual consent between DES and the Contractor.

6. PROPOSAL SUBMITTAL

Proposals shall be submitted electronically to Kent R. Finemore, PE at Kent.Finemore@des.nh.gov. Proposals must be received no later than 4:00 PM on February 15, 2013. DES reserves the right to reject proposals received after February 15, 2013.

7. PROPOSAL EVALUATION CRITERIA

Upon receipt of the proposals, they will be evaluated by an internal DES committee with respect to completeness of the scope of services proposed, total lump sum cost, project timeline, and the Contractor's qualifications and experience. DES reserves the right to reject any and all proposals.

8. SELECTION

Upon review of the proposals received, a Contractor will be selected within two weeks of the proposal submittal date and contacted regarding additional documentation which will be necessary to enter into a contract to be approved by the Governor and Executive Council. Such documentation will include, but may not be limited to, proof of insurance (and licensure if diver is used), Certificate of Insurance, Certificate of Authority, and a Certificate of Good Standing from the New Hampshire Department of State.